Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/22/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124003	-1	1.39	123950	1.33
Blue	F	SSC	125000	122396	-3	2.87	122681	2.68
Blue	E	FITC	13131	12622	-4	2.29	292	15.83
Blue	D	PE	24112	23639	-2	1.77	542	10.48
Blue	B	PerCP-Cy5-5	31295	30429	-3	3.11	1011	14.16
Blue	A	PE-Cy7	19939	19541	-2	5.33	522	28.20
Red	C	APC	42122	41549	-2	3.04	1744	11.12
Red	A	APC-Cy7	22340	21631	-4	3.45	808	11.44
Violet	B	V450	7410	7067	-5	3.63	435	12.47
Violet	A	V500	28118	26804	-5	3.25	672	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22962	1.14	561	-8	N/A	N/A	Pass
Blue	F	SSC	56961	1.06	513	1	N/A	N/A	Pass
Blue	E	FITC	53	54.62	482	-5	0.0389	82	Pass
Blue	D	PE	115	36.61	485	-3	0.4866	374	Pass
Blue	B	PerCP-Cy5-5	188	34.56	580	-6	0.0210	54	Pass
Blue	A	PE-Cy7	103	67.02	622	-6	0.0237	4	Pass
Red	C	APC	405	23.48	576	0	0.0301	221	Pass
Red	A	APC-Cy7	181	27.05	549	-2	0.0067	1107	Pass
Violet	B	V450	61	62.82	456	3	0.0625	2416	Pass
Violet	A	V500	97	33.48	467	2	0.0272	819	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.76	-31.46	1.05
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.59	13.60 - 20.40	N/A	N/A	29.86	30.09	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 13005

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments